



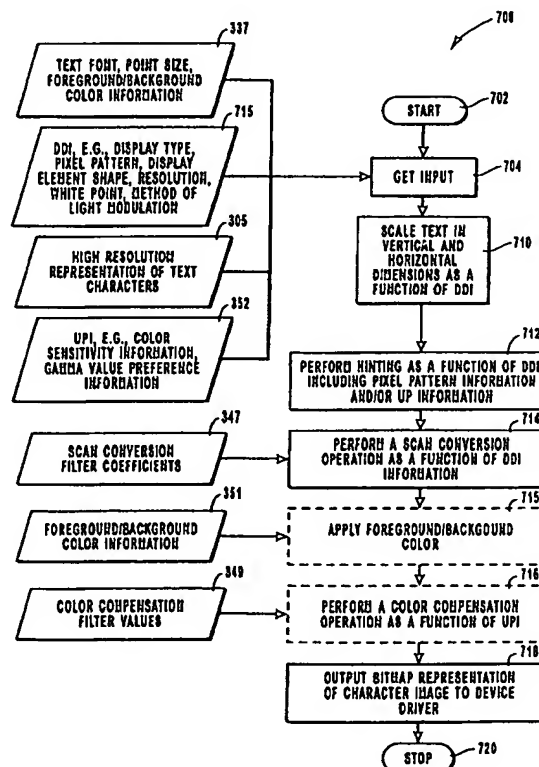
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: METHOD AND APPARATUS FOR USING DISPLAY DEVICE AND DISPLAY CONDITION INFORMATION

## (57) Abstract

The present invention relates to methods (figure 10, element 700) and apparatus for increasing the perceived quality of displayed images. This is achieved in a variety of ways including the use of a plurality of device specific display characteristics (figure 10, element 715) when preparing images for display (figure 10, element 704). It is also achieved through the monitoring of display device and/or ambient light conditions, e.g., on a periodic basis, and using the obtained information when controlling a display output. Another approach to improving the perceived quality of displayed images involves the use of information (figure 10, element 352) relating to a specific user's ability to perceive image characteristics such as color. By customizing display output (figure 10, element 718) to an individual user's own physical perception capabilities and/or viewing characteristics (figure 10, element 352) it is possible to enhance the image quality perceived by the individual viewer as compared to embodiments which do not take into consideration individual user characteristics.



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